

Title (en)

Solid electrolyte fuel cell stock.

Title (de)

Fest-Elektrolyt-Brennstoffzellenstapel.

Title (fr)

Empilement de piles à combustible à électrolyte solide.

Publication

EP 0501401 B1 19950906 (EN)

Application

EP 92103141 A 19920225

Priority

JP 3578691 A 19910301

Abstract (en)

[origin: US5252409A] A fuel cell has a plurality of first and second plate members laid one on another with a predetermined phase relationship therebetween. Each first plate member houses a cell. The first plate member includes a cell-housing portion, a cell-insertion opening having two spaces communicating with opposed openings of an inner-cell flow passage of the housed cell and a plurality of communication openings. The second plate member includes an inter-cell flow passage forming portion facing the cell housed in the first plate member, an inter-cell flow passage forming opening having two spaces and a plurality of a plurality of communication openings. The inter-cell flow passage forming portion forms an inter-cell flow passage between adjacently disposed cells as the first and second plate members are laid one on the other. The communication openings and the spaces of the plate members provide air feed passages and air exhaust passages for the inter-cell flow passage and the inner-cell flow passage.

IPC 1-7

H01M 8/24

IPC 8 full level

H01M 8/12 (2006.01); **H01M 8/02** (2006.01); **H01M 8/24** (2006.01)

CPC (source: EP US)

H01M 8/0258 (2013.01 - EP); **H01M 8/2432** (2016.02 - EP US); **H01M 8/2483** (2016.02 - EP US); **H01M 8/249** (2013.01 - EP US); **Y02E 60/50** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP US)

Cited by

EP1496560A1; EP0950431A3; EP0706229A3; EP0698936A1; US5750280A; US7452620B2; US6203676B1

Designated contracting state (EPC)

DE GB IT NL

DOCDB simple family (publication)

US 5252409 A 19931012; DE 69204494 D1 19951012; DE 69204494 T2 19960222; EP 0501401 A1 19920902; EP 0501401 B1 19950906; JP 2966548 B2 19991025; JP H04274173 A 19920930

DOCDB simple family (application)

US 84183792 A 19920226; DE 69204494 T 19920225; EP 92103141 A 19920225; JP 3578691 A 19910301